**Description**

Thoro® Primer 2K is a white-pigmented, acrylic copolymer primer for chalky surfaces. Use it prior to applying Thoro® coatings to enhance bond strengths of Thoro® high-build coatings to the substrate.

**Yield**

200 – 400 ft²/gallon (4.9 – 9.83 m²/L), depending on substrate porosity and texture. For best estimates apply a small, known quantity to the surface and measure the area covered.

**Packaging**

5 gallon (18.9 L) pails

**Color**

White

**Shelf Life**

1 year when properly stored.

**Storage**

Store in unopened containers in a clean, dry area out of direct sunlight. Do not store at temperatures greater than 100° F (39° C) or below 32° F (0° C).

**Features**

- Acrylic copolymer emulsion
- Substrate conditioner
- Versatile
- Cool weather application
- VOC compliant

**Benefits**

- Seals dusty and chalky surfaces; improves adhesion of all Thoro® acrylic coatings
- Improves workability, helps maintain wet edge and ease of topcoat application
- Can be used on a variety of substrates
- Suitable for a variety of climates
- Environmentally friendly

**Where to Use**

**APPLICATION**

- Surfaces that exhibit chalk after cleaning
- Friable dusting concrete surfaces

**LOCATION**

- Vertical
- Exterior
- Above grade

**SUBSTRATE**

- Concrete
- Stucco and Portland cement plaster
- Previously painted surfaces

**Application**

1. Stir well before application.
2. Apply 1 coat by brush, roller, or low-pressure spray. Thoro® Primer 2K can be applied with small airless spray equipment.
3. Do not thin.
4. Porous substrates may require 2 coats. Apply the second coat while the first coat is still wet to ensure maximum penetration and consolidation.

**Drying Time**

Allow Thoro® Primer 2K to air dry for at least 3 – 4 hours at 70° F (21° C) and 50% relative humidity before applying the surface coatings. High relative humidity and low temperatures can extend the drying time.

**Clean Up**

Clean all tools and equipment with warm, soapy water immediately following application.
Thoro® Primer 2K contains water, acrylic copolymer emulsion, fillers, and other proprietary ingredients.

<table>
<thead>
<tr>
<th>Property</th>
<th>Results</th>
<th>Test Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density, lbs/gal (kg/L)</td>
<td>9.0 (1.08)</td>
<td>ASTM D 1475</td>
</tr>
<tr>
<td>Solids, % By weight</td>
<td>28</td>
<td>ASTM D 5201</td>
</tr>
<tr>
<td>Solids, % By volume</td>
<td>19</td>
<td>ASTM D 3960</td>
</tr>
<tr>
<td>VOC content, lbs/gal (g/L)</td>
<td>2.58 (309)</td>
<td>ASTM D 3960</td>
</tr>
</tbody>
</table>

Test results are averages obtained under laboratory conditions. Reasonable variations can be expected.

For Best Performance

- Do not apply Thoro® Primer 2K when surface or ambient air temperature is below 35° F (2° C) or expected to fall below 35° F (2° C) within 24 hours.
- Do not apply if rain is expected within 24 hours of application.
- Do not use Thoro® Primer 2K before application of cement-based coatings.
- Do not use as a primer for solvent-based coatings.
- Do not dilute Thoro® Primer 2K.
- Apply a 4 by 4 ft. (1.2 by 1.2 m) test area with the specified Thoro® Primer 2K and Thoro® acrylic coating to verify acceptable adhesion before proceeding with any project. The test method for measuring adhesion is ASTM D 3359, Measuring Adhesion by Tape, Method B. On the 0 – 5 scale, a minimum adhesion rating of 4A is required.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current version.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the job site.

Health and Safety

**THORO® PRIMER 2K**

**Caution**

Thoro® Primer 2K contains naphtha petroleum hydrotreated light, crystalline quartz silica and zinc oxide.

**Risks**

Combustible liquid and vapor. May cause skin and eye irritation. Inhalation of vapors may cause irritation and intoxication with headaches, dizziness and nausea. Ingestion may cause irritation. Reports associate repeated or prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

**Precautions**

KEEP OUT OF THE REACH OF CHILDREN. KEEP AWAY FROM HEAT, FLAME AND SOURCES OF IGNITION. Use only with adequate ventilation. Keep container closed. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Avoid breathing vapors. DO NOT take internally. Use impervious gloves, eye protection and if the TLV is exceeded or if used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable federal, state and local regulations. DO NOT cut or weld on or near empty container. Empty container may contain explosive vapors or hazardous residues. All labeling and storage instructions must be observed until container is commercially cleaned or reconditioned.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. SEEK IMMEDIATE MEDICAL ATTENTION. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Refer to Material Safety Data Sheet (MSDS) for further information.

**Proposition 65**

This product contains materials listed by the state of California as known to cause cancer, birth defects, or other reproductive harm.

**VOC Content**

2.56 lbs/gal or 309 g/L, less water and exempt solvents.

**For medical emergencies only,** call ChemTrec (1-800-424-9300).

BASF Construction Chemicals, LLC – Building Systems

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www.BuildingSystems.BASF.com

**Customer Service** 800-433-9517
**Technical Service** 800-243-6739

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